

REMARKS

The Office Action dated 10/12/2007 has been fully considered by the Applicant.

Claims 1 and 7 have been currently amended. Claims 2-4, 6, and 8-9 have been previously presented. Claim 5 has been canceled.

Claims 1-4 and 6-9 have been rejected under 35 USC 103(a) as being unpatentable over United States Patent No. 6,351,474 to Robinett et al and further in view of United States Patent No. 6,134,419 to Williams. Reconsideration of the rejection is respectfully requested.

Claim 1 has been currently amended to provide a data processing system for data received by a broadcast data receiver comprising: (a) a broadcast data receiver provided for receiving multiple transport streams of digital data transmitted from remote locations and may be from different sources, the digital data in each transport stream includes a series of packets of data provided with associated codes to indicate the type of data i.e video, audio and/or auxiliary data; (b) the receiver is provided with a plurality of tuners, each of which receives a transport stream of digital data; (c) the receiver is provided with means for the selection and combination of packets of data from the multiple transport streams of data multiplexed into a single stream of data in response to control commands; (d) the selected packets of data combined and further processed to generate video and/or audio and/or auxiliary data therefrom; (e) each transport stream of data including transport packets provided with packet identification codes for the packets of data in the stream, and a transport stream identification code is added to each of the transport packets without changing the packet identification codes to allow identification and differentiation of each of the packets of data in terms of the specific stream of data from which they originate, and selection of the appropriate data packets to form the said multiplexed single stream of data received by the receiver, and (f) wherein the addition of the

transport stream identification code allows the differentiation of a packet of data in a first transport stream from any packet of data in a further transport stream which has the same packet identification code. Clearly these features are not taught or suggested in the cited references and, therefore, Applicant believes they are patentable over the references.

In Applicant's currently amended claim 1 a new identifier (a TSID) is additionally provided to distinguish a particular stream from another (see the last 5 lines of page 3 of the specification and the abstract as originally filed.). However, in the '474 Robinett et al patent, the PID is *overwritten*.

In Applicant's invention the stream is completely compliant, i.e., regular PIDS appear in the places one would expect them to be. However, in the '474 patent, additional processing is required as the contents of many other packets have to be modified as the data that they carry, which is used to navigate the programs within the transport stream, would need to be updated with the new PID values that were used to overwrite the previously PIDs (Column 5, lines 2-14).

In addition, in Applicant's invention the transport stream identification technique appends additional information to the packets without changing the existing PIDS, no other data with the streams needs to be modified.

Applicant does not believe that it would be obvious for a person of ordinary skill in the art to utilize the teaching of the Robinett disclosure of overwriting PIDs using the transmodulator components that receive programming signals from different sources at remote locations as taught by Williams to arrive at Applicant's disclosure of providing a data processing system for data received by a broadcast data receiver providing for receiving multiple transport streams of digital data transmitted from remote locations which may be from different sources and wherein the receiver is provided with a plurality of tuners, each of which receives a transport data stream of digital data. The

broadcast digital data in each transport stream includes a series of packets of data provided with associated codes to indicate the type of data. The receiver is further provided with means for selection and combination of the packets of data from the multiple streams of data multiplexed into a single stream of data in response to control commands. The selected packets of data are combined and further processed to generate video/audio and/or auxiliary data therefrom. Each transport stream of data including transport packets provided with packet identification codes for the packets of data in the stream and a transport stream identification code is added to each of the transport packets without changing the packet identification codes for identification and differentiation of each of the packets of data in terms of the specific stream of data from which they originate, and selection for the appropriate data packets to form the multiplexed single stream of data received by the receiver. The addition of the transport stream identification code allows the differentiation of a packet of data in a first transport stream from any packet of data in a further transport stream which has the same packet identification code.

Therefore, Applicant sincerely believes that independent claim 1 is novel and non-obvious over the cited references and respectfully requests reconsideration of the rejection.

Claims 2-4 and 6 depend upon currently amended claim 1 and are believed to be patentable over the references for the same reasons as stated above.

Independent claim 7 is directed toward a method for generation of a single stream of data for subsequent processing from multiple transport streams of data comprising the steps of: (a) simultaneously receiving a number of different transport streams of data via a plurality of tuners in a receiver; (b) selecting packets of data from the different transport streams in accordance with user and/or receiver selection criteria; (c) multiplexing the selected packets of data into a single stream

of data by the receiver; (d) allocating a transport stream identification code to each of the received transport streams of data; (e) allocating a packet identification code to each packet of data; (f) controlling the selection with reference to the appropriate transport stream identification code for the particular transport stream of data in which the data packet to be selected is located when the selection of a data packet is required; (g) selecting the required data packet once the appropriate transport stream is identified therefrom with reference to the packet identification code allocated to each of the packets for that transport stream of data; and (h) repeating the steps for each of the data packets required to form the single stream of data and the provision of a transport stream identification code for each transport stream of digital data which is received differentiates packets of data contained in other received transport streams which have the same packet identification code; and (I) wherein the transport stream identification codes are allocated without modifying the packet identification codes.

Applicant believes that claim 7, along with dependent claims 8 and 9, is novel over the cited references for the same reasons as set forth above with reference to claim 1. Therefore, Applicant respectfully requests reconsideration of the rejection.

In summary, Applicant's invention provides the advantage of the subsequent processing of the identifiers to be minimized, thereby maintaining the low cost processing requirements of a broadcast data receiver using the data processing system of this invention. In contrast, the overwriting solution of the cited reference would require significant additional processing in order to identify the new PID codes.

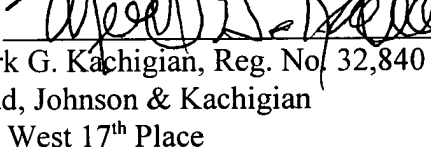
It is believed that the claims as currently amended define the invention over the cited references.

It is believed that the foregoing is fully responsive to the outstanding Office Action. If, for any reason, the claims are not in condition for allowance, it is because of a mistake or a misunderstanding of the Office Action and in such case, the Examiner is invited to call the undersigned at (918) 587 2000 so that any remaining amendments to place the application in condition for allowance can hopefully be achieved in a telephone interview. If any further charges are associated with this application, the Commissioner is hereby authorized to charge Deposit Account No. 08-1500.

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Respectfully submitted,

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